Listing of Claims

- (Previously presented): An immunogenic conjugate comprising a synthetic homopolymer of poly-γ-glutamic acid (γPGA) polypeptide covalently linked to a carrier, wherein the conjugate elicits an immune response against poly-γ-glutamic acid (γPGA) polypeptide in a subject.
- (Previously presented): The conjugate of claim 1, wherein the synthetic homopolymer of γPGA polypeptide comprises 5-20 glutamic acid residues.
- (Previously presented): The conjugate of claim 1, wherein the synthetic homopolymer of pPGA polypeptide comprises 10-15 glutamic acid residues.
- (Currently amended): The conjugate of claim 1, wherein the the synthetic homopolymer of γPGA polypeptide is a decameric γPGA polypeptide.
- 5. (Previously presented): The conjugate of claim I, wherein the carrier is selected from the group consisting of: (a) recombinant B. anthracis protective antigen, (b) recombinant P. aeruginosa exotoxin A, (c) tetanus toxoid, (d) diphtheria toxoid, (e) pertussis toxoid, (f) C. perfringens toxoid, (g) hepatitis B surface antigen, (h) hepatitis B core antigen, (i) keyhole limpet hemocyanin, (j) horseshoe crab hemocyanin, (k) edestin, (l) mammalian serum albumins, (m) mammalian immunoglobulins, and (n) combinations of two or more thereof.
- 6. (Original): The conjugate of claim 1, wherein the carrier comprises recombinant *B. anthracis* protective antigen.

7. (Canceled)

8. (Previously presented): The conjugate of claim 1, wherein the synthetic homopolymer of poly- γ -glutamic acid (γ PGA) polypeptide is the D-conformation, the L-conformation, or a mixture of the D-conformation and the L-conformation.

- (Previously presented): The conjugate of claim 1, wherein the synthetic homopolymer of poly-γ-glutamic acid (γPGA) polypeptide is a γDPGA polypeptide.
- 10. (Previously presented): The conjugate of claim 1, wherein the synthetic homopolymer of poly-γ-glutamic acid (γPGA) polypeptide is a decameric γDPGA polypeptide and the carrier comprises recombinant B. anthracis protective antigen.
- 11. (Previously presented): The conjugate of claim 1, wherein the carrier is covalently linked to either the amino or carboxyl terminus of the synthetic homopolymer of poly-γ-glutamic acid (γPGA) polypeptide.
- 12. (Previously presented): The conjugate of claim 1, wherein the carrier is covalently linked to the synthetic homopolymer of poly-γ-glutamic acid (γPGA) polypeptide via a thioether, disulfide, or amide hond.
- 13. (Previously presented): The conjugate of claim 1, wherein the density of the synthetic homopolymer of poly-γ-glutamic acid (γPGA) polypeptide to carrier is between about 5:1 and about 32:1
- 14. (Previously presented): The conjugate of claim 1, wherein the density of the synthetic homopolymer of poly-γ-glutamic acid (γPGA) polypeptide to carrier is between about 10:1 and about 15:1.
- 15. (Previously presented): The conjugate of claim 1, wherein the synthetic homopolymer of γPGA polypeptide is covalently linked to the carrier via an aldehyde (CHO)/adipic acid hydrazide (AH) linkage.
- 16. (Previously presented): A composition comprising the conjugate of claim 1 and a pharmaceutically acceptable vehicle.
 - 17. (Original): The composition of claim 16, further comprising an adjuvant.

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18. (Previously presented): A composition comprising the conjugate of claim 9 and a pharmaceutically acceptable vehicle.

- 19. (Original): The composition of claim 18, further comprising an adjuvant,
- 20. (Previously presented): A method of eliciting an immune response against a Bacillus antigenic epitope in a subject, comprising introducing into the subject the composition of claim 16. thereby eliciting an immune response in the subject.
 - 21. (Canceled)
- 22. (Currently amended): The method of claim 20, wherein the further comprising eliciting an immune response is elicited against the poly γ glutamic acid (γ PGA) polypeptide and the carrier.

23-33. (Canceled)

- 34. (Previously presented): An immunogenic conjugate comprising a Bacillus poly-γ-glutamic acid (γPGA) polypeptide covalently linked to a carrier, wherein the carrier is selected from the group consisting of: (a) recombinant B. anthracis protective antigen, (b) recombinant P. aeruginosa exotoxin A, (c) tetanus toxoid, (d) diphtheria toxoid, (e) pertussis toxoid, (f) C. perfringens toxoid, (g) hepatitis B surface antigen, (h) hepatitis B core antigen, (i) keyhole limpet hemocyanin, (j) horseshoe crab hemocyanin, (k) edestin, (l) mammalian serum albumins, and (m) combinations thereof, and wherein the conjugate elicits an immune response against Bacillus poly-γ-glutamic acid (γPGA) polypeptide in a subject.
- 35. (Previously presented): The conjugate of claim 34, wherein the carrier comprises recombinant *B. anthracis* protective antigen.
 - 36. (Previously presented): The conjugate of claim 34, wherein the *Bacillus* γPGA

polypeptide comprises a *B. anthracis*, *B. licheniformis*, *B. pumilus*, or *B. subtilis* γPGA polypeptide.

- 37. (Previously presented): The conjugate of claim 34, wherein the *Bacillus* γPGA polypeptide is the D-conformation, the L-conformation, or a mixture of the D-conformation and the L-conformation.
- 38. (Previously presented): The conjugate of claim 34, wherein the Bacillus γPGA polypeptide is a B. anthracis capsular γDPGA polypeptide.
- 39. (Previously presented): The conjugate of claim 34, wherein the carrier is covalently linked to either the amino or carboxyl terminus of the $Bacillus \gamma PGA$ polypeptide.
- 40. (Previously presented): The conjugate of claim 34, wherein the carrier is covalently linked to the *Bacillus* YPGA polypeptide via a thioether, disulfide, or amide bond.
- 41. (Previously presented): The conjugate of claim 34, wherein the Bacillus \(\gamma\)PGA polypeptide is covalently linked to the carrier via an aldehyde (CHO)/adipic acid hydrazide (AH) linkage.
- 42. (Previously presented): A composition comprising the conjugate of claim 34 and a pharmaceutically acceptable vehicle.
 - 43. (Previously presented): The composition of claim 42, further comprising an adjuvant.
- 44. (Previously presented): A method of eliciting an immune response against a *Bacillus* antigenic epitope in a subject, comprising introducing into the subject the composition of claim 42, thereby eliciting an immune response in the subject.
 - 45. (Canceled)

- 46. (Currently amended): The method of claim 44, wherein the further comprising eliciting an immune response is elicited against the Bacillus capsular poly γ glutamic acid (γPGA) polypeptide and the carrier.
- 47. (Previously presented): The conjugate of claim 1, wherein the carrier is a polysaccharide or a polysaccharide.
- 48. (Previously presented): The conjugate of claim 1, wherein the carrier is a bacterial toxin or a viral protein.
- 49. (Previously presented): The conjugate of claim 5, wherein the carrier is selected from the group consisting of (a) recombinant *B. anthracis* protective antigen, (b) recombinant *P. aeruginosa* exotoxin A, (c) tetanus toxoid, (d) diphtheria toxoid, (e) pertussis toxoid, (f) *C. perfringens* toxoid, (g) hepatitis B surface antigen, and (h) hepatitis B core antigen.
- 50. (Previously presented): The conjugate of claim 9, wherein the carrier is *B. anthracis* protective antigen, and the conjugate elicits an immune response against γDPGA and against *B. anthracis* protective antigen.

51-52. (Canceled).

- 53. (Currently amended): The method of claim 20, wherein the immune response elieits against the *Bacillus* antigenic epitope in the subject comprises IgG anti- *B. anthracis* γPGA antibodies, and further comprising eliciting an immune response against the carrier in the subject, wherein the immune response against the carrier comprises IgG anti-carrier antibodies-in the subject.
- 54. (Previously presented): The conjugate of claim 34, wherein the carrier is selected from the group consisting of (a) recombinant *B. anthracis* protective antigen, (b) recombinant *P. aeruginosa* exotoxin A, (c) tetanus toxoid, (d) diphtheria toxoid, (e) pertussis toxoid, (f) *C. perfringens* toxoid, (g) hepatitis B surface antigen, and (h) hepatitis B core antigen.

55. (Canceled)

- 56. (Currently amended): The method of claim 44, wherein the immune response elicits against the Bacillus antigenic epitope in the subject comprises IgG anti-B. anthracis γPGA antibodies, and further comprising eliciting an immune response against the carrier in the subject, wherein the immune response against the carrier comprises IgG anti-carrier antibodies-in the subject.
- 57. (Previously presented): The conjugate of claim 1, wherein the conjugate includes a plurality of synthetic homopolymer of γ PGA polypeptide chains per carrier molecule.
- 58. (Previously presented): The conjugate of claim 1, wherein the conjugate has a density of synthetic homopolymer of γPGA chains to carrier molecule of at least about 5:1.
- 59. (Previously presented): The conjugate of claim 34, wherein the conjugate includes a plurality of *Bacillus* γPGA polypeptide chains per carrier molecule.
- 60. (Previously presented): The conjugate of claim 34, wherein the conjugate has a density of *Bacillus* γPGA chains to carrier molecule of at least about 5:1.
- 61. (Previously presented): An immunogenic conjugate comprising poly-γ-glutamic acid (γPGA) covalently linked to a carrier, wherein the conjugate elicits an immune response against poly-γ-glutamic acid (γPGA) in a subject, and the conjugate has a density of γPGA chains to carrier molecule of at least about 5:1.
- 62. (Previously presented): The conjugate of claim 57, wherein the carrier is a polymeric carrier.
- 63. (Previously presented): The conjugate of claim 58, wherein the carrier is a polymeric carrier.